



## Clear n' Effervescent Shampoo (SH-001)

Normally shampoos with 3% perfume or higher will lose clarity, viscosity, or foaming. Our Clear n' Effervescent Shampoos demonstrate that you can create transparent, high viscosity shampoos in both sulfate and sulfate-free systems even with the addition of strong fragrance loads. These shampoos are clear and shear resistant with excellent soft flow, without any of that gummy afterfeel associated with traditional thickeners.

**SorbiThix** is the best in the class of non-ionic associative thickeners. It brings high perfume, high clarity and high viscosity with good foaming ability to ANY surfactant systems on the market, even the most challenging glutamate surfactant systems.

### Specifications

- 🍎 Viscosity~ 10,000 cp
- 🍎 pH: 5.5
- 🍎 50°C oven: 1 month stable
- 🍎 Freeze-Thaw: Passed 3 cycles

### Processing Method

1. Mix Phase A and heat to 60 Celsius.
2. Premix Phase B then add to vessel and mix.
3. Add Phase C while mixing at 60 Celsius until uniform.
4. Cool to 40 Celsius, and add Phase D while mixing.

PHASE	INCI NAME (TRADE NAME)	SLES USAGE (WT%)	AOS USAGE (WT%)	SCG USAGE (WT%)
<b>A</b>	Distilled Water	67.4	67.4	69.1
	Disodium EDTA	0.10	0.10	0.10
<b>B</b>	Guar Hydroxypropyltrimonium Chloride (Jaguar Excel)	0.10	0.10	0.10
	Glycerin	1.00	1.00	1.00
<b>C</b>	Cocamidopropyl Betaine (35% active)	10.0	10.0	8.00
	Cocamidopropyl Hydroxysultaine (CoLaTeric CBS-HP) (50% active)			4.00
	Decyl glucoside (Plantaren 2000 UP)		6.00	
	Sodium Cocoyl Glutamate (SCG) (Amisoft CS-11)			9.00
	Sodium Lauryl Ether Sulfonate (70%)	14.0		
	Sodium C14-16 Olefin Sulfonate (Bioterge AS-90 Bead)		8.00	
	Amodimethicone (and) C11-15 Pareth-7 (and) laureth-9 (and) Glycerin (and) Trideceth	1.00	1.00	
	Aqua (and) Silicone Quaternium-18 (and) Tri-deceth-6 (and) Trideceth-12 (Silsoft Q PMF)			1.00
SorbiThix L-100	2.40	2.40	3.70	
<b>D</b>	Wild Currant & Orange Flower perfume (Creative 8661)	3.00	3.00	3.00
	Citric acid to pH 5.5	q.s.	q.s.	q.s.
	Preservative (Symsave H + Euxyl 9010, 1:1 Blend)	1.00	1.00	1.00

Create Possibilities

EDITION: MARCH 2017  
 REF #: SLES: SH-1703-S4-SLES  
 AOS: SH-1703-S2-AOS  
 SCG: SH-1703-S3-SCG